TENDER FOR DGPS

For and on behalf of President of India, Office of the Defence Estates Officer, Alapattu Cross Road, Ravipuram, Cochin-15 invites sealed tenders for procurement of Two numbers of Differential Global Positioning System, in two separate sealed covers marked clearly as "Technical Bid" and "Financial Bid".

The tender document can be purchased from the Office of the Defence Estates Officer, Alapattu Cross Road, Ravipuram, Cochin-15, with a request letter against payment of Rs. 5,000/- (Nonrefundable) by demand draft drawn on any Scheduled Bank payable at Cochin in favour of Office of the Defence Estates Officer, Cochin – 15 on all working days (Monday to Friday) between 1000 hrs to 1700 hrs.

The tender document can also be downloaded from http://www.dgde.gov.in and http://www.cbstm.org.in.

The terms/conditions and other details are available in tender document.

Last date of Sale of Tenders	23-01-2012	1500 hrs.
Pre bid conference	25-01-2012	1100hrs
Last date for submission of Tenders	10-02-2012	1500 hrs
Opening of Technical Bids	10-02-2012	1600 hrs

Tender Notice No. COC/DEO/LANDS/DGPS

Date : 05-01-2012

(G. Vijaya Bhaskar)
Defence Estates Officer
Cochin Circle

Tender Notice No. COC/DEO/LANDS/DGPS
Office of the Defence Estates Officer
Alapattu Cross Road, Ravipuram, Cochin-15.

Tender Document for
PROCUREMENT OF TWO NUMBER DGPS

Office of the Defence Estates Officer
Alapattu Cross Road, Ravipuram, Cochin-15.
Email:-deocochin@gmail.com

Time Schedule

Tender No.	No.
Last Date of Sale of Tenders	23-01-2012 upto 1500 hrs
Date of Pre-bid Conference	25-01-2012 at 1100 hrs at the Office of the Cantonment Board, St. Thomas Mount, Chennai - 16
Last date & time for receipt of Bids	10-02-2012 upto 1500 hrs
Date and time of Opening of Technical Bids	10-02-2012 at 1600 hrs
Place of Opening of Bids	Office of the Cantonment Board, North Parade Road, St. Thomas Mount, Chennai – 16.
Address for Communication	The DEO, Cochin C/o. Office of the Cantonment Board, North Parade Road, St. Thomas Mount, Chennai – 16.
	Tel: 0484-2356517
	Fax: 0484-2358117

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IMPORTANT DETAILS

Sl. No.	Particulars	Details
1	Earnest Money Deposit	Rs. 3,00,000 (Rs. Three Lakh) each
2	Availability of the Tender document	Office of the Defence Estates Officer Alapattu Cross Road, Ravipuram, Cochin-15. http://www.cbstm.org.in http://www.dgde.gov.in

TENDER DOCUMENT FOR PROCUREMENT OF 2 NUMBER DGPS

1. **INTRODUCTION:**

For and on behalf of President of India, the Defence Estates Officer, Office of the Defence Estates Officer, Alapattu Cross Road, Ravipuram, Cochin-15. Telephone No. – 0484-2356517, Fax No.0484-2358117, invites sealed tenders for procurement of two no Differential Global Positioning Systems. The offer should be made as per the specified tender Performa only, contained in the tender document and should be addressed to the Defence Estates Officer, Cochin, C/o. Office of the Cantonment Board, North Parade Road, St. Thomas Mount, Chennai-16.

The offer/ bid(s) must be submitted in two separate sealed covers for „Technical" and „Financial" Bids respectively and be superscribed as **"Technical Bid to supply of Two no DGPS"** or **"Financial Bid to supply of Two no DGPS"** as the case may be. Both the sealed covers shall be kept in another sealed cover which should also be superscribed as **"Tender for supply of Two No DGPS".**

The Financial Bids of the short-listed technically qualified tenderer(s) only will be opened. The short-listing of the tenderer(s) will be carried out on the basis of the technical evaluation. The unopened/ un-short listed Financial Bids will be returned to the Tenderers.

Important Note: Please note that one number DGPS is meant for the office of the DEO,Cochin and one more number DGPS in meant for the office of the DEO, Guwahaty. Accordingly each bidder shall submit two separate EMD deposits of Rs. 3,00,000/- each one in favour of DEO, Cochin and one more in favour of DEO, Guwahaty (Please see point 8 for more details).

2. **PARTICULARS OF THE TENDER**:

i)	Designation and address of the Officer to whom the tender is to be submitted.	:	The Defence Estates Officer,Cochin C/o. Office of the Cantonment Board North Parade Road, St. Thomas Mount, Chennai – 16.
The Tender Documents can be downloaded from http://www.cbstm.org.in , http://www.dgde.gov.in			
ii)	Last Date & time of Sale of the tender document	:	*23-01-2012 upto 1500 hrs*
iii)	Last date & time of receiving the tenders	:	*10-02-2012 upto 1500 hrs*
iv)	Date & Time of Opening the Technical bids	:	*10-02-2012 at 1600 hrs at the Office of the Cantonment Board, North Parade Road, St. Thomas Mount, Chennai - 16*
v)	Date & Time of Opening the Financial Bids	:	To be intimated to the short-listed firms later on
v)	Detailed Specification of Stores:	:	Appendix - I

Sl. No.	**Description**	**Quantity (Approx.)**	**Remarks**
1.	Differential Global Positioning System with accessories	Two Nos.	For detailed technical specifications, please see Appendix – 1

3. **GUIDELINES FOR PREPARATION & SUBMISSION OF TENDER**

i) The tender (in English Language only) for the supply of Two no. total stations be submitted along with detailed specifications. A technical leaflet /brochure/ literature is also required to be enclosed along with list of names of Offices/ Users to whom the same have been supplied in India.

ii) The tenderer may please note that the tender once submitted will not be altered in any case and should not have any scope of ambiguity, cutting or overwriting. In case of overwriting / cutting if any, it must be authenticated with signature of the tenderer. Note - The tenderer may please note that the tender submitted can be withdrawn before the last date of submission of tenders.

iii) The tenderers of the following Groups may submit their offer as the case may be:-

GROUP „A"

Items manufactured in India and offered by the Indian Manufacturer or their wholesale dealer/ distributor along with letter of authority from the Indian Manufacturer (for Terms & Conditions of supply).

GROUP„B"

Items manufactured in foreign country (showing country of origin) and offered by the Indian Agent with proper letter of authority from their foreign Principal.

Offer submitted by the Indian Agent for total landed cost on F.O.R. destination (up to consignee" s site) basis payable in Indian Currency only:-

(a) With Customs Duty (for terms and conditions please see Annexure „B" (i) and „B" (ii).

4. **TENDERING SYSTEM**

(i) The tenders/Bids are to be submitted in two Parts i.e. Part – 1 & Part II.

(ii) Part – I titled as TECHNICAL BID shall contain the complete technical qualifications and Commercial Bid package with terms and conditions of supply etc. (**except Price Schedule**).

(iii) The technical bid should contain an instrument comparison statement to be filled in by bidder **in Appendix-VI** in respect of each specification of the instrument. Also, the bidder is required to submit an undertaking in the format given in **Appendix (VII)** to the effect that all the terms conditions of the tender document (incorporating guidelines, general conditions, all Annexures and Appendix) are acceptable to the bidder.

(iv) Part – II titled as FINANCIAL BID shall contain the Price Schedule duly filled in the prescribed Performa.

(v) The TECHNICAL BID and FINANCIAL BID shall be placed in separate sealed envelopes and will be superscribed as **TECHNICAL BID** and **FINANCIAL BID** as the case may be. These envelopes shall also indicate the Tender No., Name and Address of the Bidder / Tenderer. Both these sealed Envelopes shall be kept in another sealed cover and shall be superscribed as "TENDER FOR PROCUREMENT OF DGPS". The outer cover shall indicate the TENDER NO., last date & time of receiving the tenders, along with the address of purchaser i.e. The Defence Estates Officer, Cochin, C/o. Office of the Cantonment Board, North Parade Road, St. Thomas Mount, Chennai – 16.

5. **EVALUATION CRITERIA**

(i) Technical Evaluation committee (TEC) shall evaluate the bids based on the eligibility criteria & strict compliance to the information sought vide **Appendices I ,II,VI & VII** and the **Guidelines** for submission of tender. TEC may, at its discretion, call for additional information/ clarification from the bidders. Such information has to be supplied within the time frame set out by

TEC, otherwise the DEO, Cochin, shall make his own reasonable assumptions at the total risk & cost of the bidders & bid is liable to be rejected. Seeking clarification cannot be treated as acceptance of the bid. TEC shall seek any additional information in writing & which has to be supplied by the bidder in writing. For verification of information submitted by the bidders, the TEC may visit their offices at its own cost. The bidder shall provide all the necessary documents, samples & reference information as desired by the TEC. The bidders shall also assist TEC in getting relevant information from the bidders references. After due evaluation of Technical bids, the TEC would submit its recommendation clearly bringing out the technically accepted bids.

(ii) The technical evaluation committee may ask bidder to bring the offered system(s) for demonstration at a premises at the expense of the bidder. The observations at such demonstrations would be recorded and signed by the bidder representatives and TEC officials for further technical evaluation.

(iii) L1 is the vendor quoting lowest rates of Gross Total Value (GTV) of bid

6. PERIOD OFVALIDITY OF RATES IN TENDER

A confirmation letter specifying acceptance of period of validity of rates for 180 days should be submitted.

7. PRE BID MEETING

The DEO, Cochin shall convene a pre-bid meeting to the scheduled with 3 day's notice, at Cantonment Board office, St. Thomas Mount, Chennai or any suitable place to be specified to provide the clarifications sought by the prospective bidders. The queries can be sent to deocochin@gmail.com. Amendments necessitated as a result of the pre bid meeting or otherwise shall be made **available on http://www.cbstm.org.in & http://www.dgde.gov.in.** It shall be the responsibility of the bidders to fine tune their bids incorporating the amendments so communicated through the website. The office of DEO, Cochin, shall not be responsible for any oversight or negligence on the part of the bidders on the amendments to the terms & conditions of the tender document & notified through the website.

8. EARNEST MONEY

Earnest Money of fixed amount Rs.3,00,000/- (Three lakh only) in Indian currency in the shape of Bank Draft / Fixed Deposit Receipt of any Nationalized Bank /Bank Guarantee from any of the commercial banks in an acceptable form **valid for six months** made in favour of " The Defence Estates Officer, Office of the Defence Estates Officer, Alapattu Cross Road, Ravipuram, Cochin-15." should be submitted along with the TECHNICAL BIDS. Shortfall in amount of Earnest Money or tenders received without Earnest Money will result in rejection of the offer.

The earnest money of the unsuccessful bidders shall be returned within a period of **3 months** from the date of opening of Financial Bids.

9 CRITERIA FOR AWARD

The award of the contract to the successful bidder whose bid has been determined to be technically acceptable and the lowest, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.

10. SECURITY DEPOSIT/PERFORMANCE GUARANTEE

Successful tenderer will have to furnish Security Deposit within 07 working days @ 10% value of the order/contract in the shape of fixed Deposit receipt / Bank Draft / Bank Guarantee of any Commercial Bank as per **Appendix - V** in favour of " The Defence Estates officer, Cochin/DEO, Guwahaty " valid for one year, from the date of letter of intent with a provision of its further extension / revalidation up to the period of one year from the date of completion of site acceptance test or up to the warranty (including extended warranty) period, whichever is later. An Agreement is also to be signed by the Indian Agent on behalf of foreign supplier at their cost on non-judicial stamp paper of Rs.100/- as per specimen at **Appendix - IV**.

Earnest Money shall be refunded to successful bidder on receipt of Deposit/Performance Guarantee.

Failure of the successful Bidder to comply with the requirement of Clause 10 shall constitute sufficient grounds for the annulment of the award of the Contract and forfeiture of the Bid Security, in which event the Purchaser shall be entitled to carry out

procurement of good at the risk & cost of successful bidder from the firm of its own choice.

The Performance Security as deposited by the supplier shall be used by the purchaser as compensation for any loss or any dues recoverable from the supplier (including liquidated damages where applicable) resulting from the Supplier's failure to complete its obligations under the contract. The purchaser (DEO, Cochin/DEO, Guwahaty) may retain the whole or such part of it as it considers to be sufficient compensation for such loss. In such an event the balance amount (if any) shall be returned to the supplier.

11. DELIVERY PERIOD

The DGPS Equipment will be supplied / installed within 4 weeks from the date of firm supply order.

12. OPENING OF TENDERS

(i) The technical bid will be **opened on 10th February 2012 at 1600 hrs.** in the office of the **Cantonment Board, North parade Road, St. Thomas Mount, Chennai - 16 .**

(ii) The representatives of the tenderers / bidders may attend the opening of tenders along with letter of authority from the respective tenderer/bidder. **The date of opening of Financial Bid shall be intimated separately by Fax/Letter/e-mail(if any).**

13. DEMONSTRATION OF INSTRUMENT

Before the technical evaluation of the instrument, the tenderer will arrange for presentation at Chennai at their (tenderer" s) own cost, either directly or through authorized Indian Agent/Dealer / Distributors as the case may be, to verify whether the Instrument meets the accuracy criteria as indicated in the technical specifications given in Appendix–I.

14. INSPECTION

Preliminary inspection of the equipment will be carried out by the supplier at the factory before dispatch. The **final joint inspection** will be carried out at Defence Estates Office, Cochin/Guwahaty or at sites to be specified in the supply order, after receipt of the consignment.

In case of defective supply due to manufacturing defects, the same has to be removed and / or replaced at the supplier's cost.

15. **WARRANTY**

The supplier will **replace** the defective material, free of cost, if noticed within the Warranty period of 24 months. The Warranty Certificate, as per specimen enclosed at APPENDIX - III, is also to be submitted duly signed along with the tender.

16. **GUARANTEE**

The instrument should have functional guarantee atleast for 12 months from the date of completion of training to staff of DE Organization.

17. **SERVICE MANUAL**

Service manual with circuit diagram will have to be provided with the instrument.

18. **REPAIR & MAINTENANCE**

i) The tenderer should furnish the detailed information for repair and maintenance facilities as would be extended by them, in case of any necessity.
ii) The supplier should have service centre(s) (indicate all locations with address).
iii) **The supplier should depute one service engineer for a period of 03(three) years at place to be specified at their expense.** The service engineer should attend the requirements of user for maintenance of all the DGPS any where in India.

19. **DELIVERY & PENALTY**

The delivery of equipment is to be strictly adhered to in view of the strict time schedule for implementation of various Projects. Any

Unjustified and unacceptable delay in delivery beyond the delivery schedule as per Supply Order will render the vendor liable for liquidated damage at the rate of 0.2% (point two percent) of the purchase order value per day subject to a maximum of 30 days.

If the delivery, of whole or in part, is delayed beyond 30 days from last date of delivery as given in the purchase order, DEO, Cochin/DEO, Guwahaty will have option to cancel the purchase

order to the extent of unfulfilled part of the purchase order. The DEO, Cochin/DEO, Guwahaty will be free to procure the remaining items from alternate sources at the cost and risk of the defaulting vendor, by forfeiting the EMD/Security Deposit of the Vendor. In addition to late delivery penalties, DEO, Cochin will Impose a cancellation charge of 8.5% of the value of unsupplied items, which will be recovered from the pending bills or EMD/Security Deposit or by raising claims. The DEO also reserves the right to cancel the supply order for unsupplied items at any stage without assigning any reason.

The DEO, Cochin/DEO, Guwahaty will impose penalty on total value of supply order if the delivery of more than 20% of the total value is delayed beyond the last date of delivery. If the delivery is delayed for the items(s) whose value is equal or less than 20% of the total order value, the penalty shall be applicable on the delayed equipment only.

20. **TRAINING**

The rates quoted should be inclusive of installation & training charges. The Training will have to be imparted to officers and staff of Defence Estates Organization at **two** selected locations in India by the supplier free of cost for 5 days at each selected site. **The service engineer to be deputed by the firm shall also provide the necessary training for use of the equipment to the staff.**

Note:

i) For general terms and conditions of supply, please see APPENDIX - II

ii) The tender document can be obtained from DEO office at a cost of Rs. 5000/- or downloaded from websites http://www.cbstm.org.in, http://www.dgde.gov.in. In case the tender document is downloaded from website then the tenderer (s) downloading the tender document shall attach a separate Demand Draft of Rs.5000/- of any Scheduled Bank infavour of the "The Defence Estates Officer, Cochin" along with the Technical Bid towards the cost of tender document in addition to separate Demand Draft towards earnest money deposited, failing which the offer will be rejected.

iii) Please note that late tenders / delayed tenders or postal delayed tenders will not be considered at all.

iv) The inner and outer envelope of the tender should be addressed as below and NOT to any individual by name:-

TENDER FOR Differential Global Positioning System

(Last date & time of receiving the tender:
10th February, 2012 (1500 Hrs.)

To
The Defence Estates Officer, Cochin
C/o, Office of the Cantonment Board,
North Parade Road,
St. Thomas Mount,
Chennai – 16.

v) The Defence Estates Officer, Cochin reserves the right to reject/cancel all or any tender without assigning any reason thereof.

ANNEXURE 'A' (i)

In-case of The offer from the Indian Manufacturer /or through their Authorised Dealer / Distributor.

S.No.	Description of Item	Qty	Rate* (Rs.)	Cost (Rs.)
(1)	(a) Main Instrument/Equipment (b) Standard Accessories (c) Optical Spare Parts (d) Mechanical Spare Parts (e) Total (a) to (d)			
(2)	Excise Duty (with percentage) on total (1) (e)			
(3)	R&D and Cess (with percentage) if any, on Total (1) (e)			
(4)	Total (1) to (3)			
(5)	VAT as applicable			
(6)	Packing & Forwarding charges			
(7)	Transit Insurance charges (up to the consignee's site till the date of installation / commissioning of Instrument /Equipment.			
(8)	Inland Transportation charges (on door delivery basis)			
(9)	Service / handling charges, if any (in case of authorized Dealers / distributors only)			
(10)	Total Cost (F.O.R. Destination basis)			
(11)	The rates quoted should be inclusive of installation and cabling charges. The training will have to be imparted to the staff of Defence Estates Organization at **two** selected locations by the supplier free of cost for 5 days at each designated location.			

***The rates are to be filled both in words and figures.**

Name and Signature of the authorized representative of the firm (with seal of the firm)

Date:

ANNEXURE A(ii)

The following clauses in the tender document may be clearly mentioned and confirmed by the bidder in the TECHNICAL BID:-

a. The period of validity of offer be clearly specified.
b. Free demonstration of instrument shall be given by the bidder to the Technical Evaluation Committee for their evaluation in the premises to be specified by the TEC.
c. The Technical Committee may visit the premises of office/firm of the bidder and such visit(s) shall be facilitated by the concerned bidder/firm for verification.
d. The bidder shall confirm and furnish a warranty of 24 months in term of provision of clause 15 of the guidelines.
e. The bidder shall furnish the acceptance of Guarantee period of 12 months in terms of clause 16 of the guidelines.
f. The bidder shall furnish the details regarding facilities that are available with the firm to carry out the repair and maintenance work of the equipment proposed to be purchase and shall clearly indicate the details of the Service Engineers that have been employed by the firm and the details of the other technical personnel available in the firm for the said purpose.
g. A confirmation to the effect that the firm agrees to provide the mandatory Training to the staff of DE Organization at 2 locations for 5 days each station.

Photo copies of the following documents are also required to be furnished along with the TECHNICAL BID:-

i) Registration Certificate of the firm under Commercial & Establishment Act.

ii) Registration Certificate if registered with DGS&D as an approved Govt. supplier, or registered as a Small Scale Unit with Small Scale Industries.

iii) Latest Sales Tax Clearance Certificate/VAT Certificate.

iv) In case of wholesale dealers/distributors / agents, Authority letter (in original) from their Principals / Manufacturers.

v) One copy of Warranty certificate duly stamped and signed (specimen enclosed as **Appendix-III**).

ANNEXURE 'B' (i)

In case of offer from the Authorised Indian Agent of the Foreign manufacturer/ Supplier

1.	**C.I.F. Value**	**In Indian Currency**
a)	F.O.B. Cost of Main Instrument / Equipment with standard Accessories, optical spare parts, mechanical spare parts, packing/forwarding and transportation charges and optional accessories as per Proforma Invoice from Foreign manufacturer/ Supplier (to be mentioned separately for each item)	
b)	Approx. Insurance charges	
c)	Approx. Air Freight Charges C.I. F. value **Total** (1)	**TOTAL LANDED COST**
2.	**(I) CUSTOMS DUTY** **I.T.C. code No.**	**[Note: Exemption, if any, to be claimed by the supplier against custom duty exemption certificate.]**
(a)	Basic Customs duty (with %)	Rs
(b)	Educational Cess (With %)	Rs.
(c)	Any other Customs duty (to be specified)	Rs.
(d)	Clearing / Handling / Inland freight etc. up to the Consignee's warehouse will be paid by the supplier	Rs.
	Total (2)	Rs.
	Total (1) + (2)	Rs.
3.	Any other charges (to be specified)	Rs.
	Total landed cost	Rs.

Name and Signature of the authorized representative of the firm (with seal of the firm)

Date:

Contd.

NOTE:

1. Please also intimate:-

   i) Approx. Net weight of main Instrument (with standard Accessories etc.)
   ii) Approx. Gross weight of main Instrument (with standard Accessories etc.)

2.The rates quoted should be inclusive of installation and training charges. The training will have to be imparted to Staff of DE Organization at **two** locations **(Pune and Kolkatta)** in India by the Supplier free of cost for 5 days in each station.

TERMS & CONDITIONS

1. VALIDITY OF RATES IN INDIAN CURRENCY

Please confirm that the rates taken into account for purpose of supplying the Instruments/Equipments in Indian Currency will remain valid for **six months from the date of opening the tender**.

2. SECURITY DEPOSIT

Successful tenderer will have to furnish Security Deposit @ 10% value of the order/contract in the shape of Fixed Deposit Receipt/Bank Draft/Bank Guarantee of any Scheduled Bank, as per Appendix-V in favour of "The Defence Estates Officer, Cochin/Guwahaty" valid for 12 months, from the date of letter of intent with a provision of its further extension/revalidation up to the period of one year from the date of completion of site acceptance test or up to the warranty (including extended warranty) period, whichever is later. An Agreement is also to be signed by the Indian Agent on behalf of foreign supplier at their cost on non-judicial Stamp Paper of Rs.100/- as per specimen at Appendix-IV.

3. PAYMENT TO THE INDIAN AGENT

(i) **For offer against payment in Indian Currency:**

100% payment will be made within 45 days from the date of installation and commissioning/acceptance of the instrument and completion of training. Please confirm that our terms of payment are acceptable to you. In such case, no request for advance payment, payment against delivery or payment through Bank against dispatch documents will be considered.

In addition to the information called for in Annexure `B" , the Indian Agents submitting their offer on behalf of their foreign principals are required to furnish the following information/documents along with the TECHNICAL BID:-

(a) Authority letter from their Foreign Principals

(b) Warranty Certificate from their Foreign Principals (Specimen should be enclosed).

(c) Attested Xerox copy of the Agreement between the Foreign Manufacturer and the Indian Agent for sale of foreign goods in India.

(d) Xerox copy of latest Income Tax Clearance Certificate

(e) Xerox copy of latest Central Tax Clearance Certificate

(f) Technical brochure / literature / catalogue of the Main Instrument / Equipment quoted for.

Performa Invoice from their Foreign Principals showing F.O.B. Cost / C.I.F. value of the instrument/equipment, in question, should be submitted along with the FINANCIAL BID.

While submitting the tender, General Terms & Conditions of supply given in APPENDIX-II may also please be seen and all relevant information be incorporated in the tender.

APPENDIX – I

DGPS TECHNICAL SPECIFICATIONS

Slno.	Description	Preferred Specs
1	**Antenna and Receiver**	
a.	Receiver and Antenna Type	Dual Frequency, Geodetic, RTK
b.	Minimum No. of Channels	**72 Channel**s including L1-12 Channel, L2 -12 Channel , GLONASS Etc.,
c.	Independent measurements	C/A, P-code, Full cycle carrier, GLONASS
d.	Time to first phase measurements after switching ON	less than 30 Sec.
e	Status Indicators	It should be indicate the satellite availability, Tracking, Position etc.
f	Ports	3 Serial ports, 1 USB, 1 External Antenna, USB or USB Adapter, 1 External Power
2	**Controller - Display**	
	(a) Type	LCD 320 X 240 QVGA with backlite illumination or better
	(b) Display	Full Graphical with touch screen
	(c) Keyboard	Separate alphanumeric keys

	(d) Graphical Display	Should show Point, Line, Polygon in the field with Zoom, Pan option, Satellite Tracking.
3	**Data Recording**	
a.	Recording rate (Positioning update rate)	0.5 to 60 Sec./ 20Hz
b.	Recording medium	a) Internal & External,
		b) Memory Min. 1 GB
4	**Power Supply (Battery)**	
a.	Battery	Lithium ion Battery
b.	Total number of Battery	i) For Receiver – 4 Nos.
		ii) For Controller – 2 Nos.
c.	Battery Operating time	more than 8 hours
d.	Charger	i) External Charger . Integrated optional.
5	**Accessories :**	
	For each GPS	
	1. Tripod - Wooden Telescopic	1 No.
	2. Height measuring device	1 No.
	3. Tribrach with Optical Plummet	1 No.

	4. Carrier for Antenna	1 No.
	5. a) Antenna cable – 10 mts	1 No.
	b) Antenna Cable – 3 mts	2 No.
	6. Battery	Lithium Ion Battery
	i) For Receiver	4 Nos
	b) For Controller	2 Nos. (1 + 1)
	7. Charger	External
	8. External Power Cable	1 Set
	9.External battery	1 No.
	10. Memory Card – 256 MB	2 Nos.
	11. Card Reader	1 No.
	12. RTK rover set up including pole Back pack kit Etc.,	1 No.
	13. Data downloading cable (USB/Serial)	1 No.
6	**Environment Specification for Receiver, Antenna & Controller**	
	Operating temperature	- 30°C to + 60°C
	storage temperature	- 30°C to + 70°C

7	**Accuracy (mm + ppm)**	
	Post processing	Horizontal : 3mm +/- 0.5 ppm
		Vertical : 6mm +/- 0.5 ppm
	Real Time	Horizontal : 5mm +/- 0.5 ppm
8	**Radio modems with UHF antenna**	Integrated/Separate
		transmit power : 0.5 to 2 watts
		Receive/transmit radios
		Vertical :10mm +/- 0.5 ppm
9	**Application**	Survey, Stakeout, Navigational information, Point Management, COGO functions etc.
10	**Software Major Components**	
		Providing data for planning GPS Survey
		1. Post Processing (L1 / L2 data processing for GPS code & Phase) Glonass Code & Phase
		2. Design and Network Adjustment
		3. GIS / CAD Export Option
		4. RINEX Import / Export
		5.Transformation between 84 WGS to any spherical Coordinate system, Transformation between any projection. Incl. classical 3D option
		6. View and Edit Option.

APPENDIX – II

GENERAL TERMS AND CONDITIONS OF SUPPLY

1. QUALIFICATION & ELIGIBILITY CRITERIA

(i) The bidder shall be a manufacturer or agent/dealer/distributor of the manufacturer who has designed, manufactured, supplied, erected, commissioned equipment/instrument of similar type and capacity as given in APPENDIX-1 of the tender document and which are in successful operation in Government (both Centre and State) and other scientific, autonomous bodies/ organizations for the last 07(seven) years on the date of bid opening. **(The manufacturing firm of Total station must be in the business/Trade of manufacturing the required equipment for last Seven years & certificate to this effect from manufacturing firm to be enclosed.)**

(ii) The bidder shall furnish details of supplies made in the last 07 (seven) years to the Government (both Centre and State) and other scientific, autonomous bodies/ organizations in India along with the user's certificate regarding satisfactory functioning of the equipment /instrument.

(iii) Bidders to indicate Name and Address of their Bankers; and Current ITCC and balance sheet in original or a Photostat copy thereof or three year turn over certificate attested by Charted Accountant.

(iv) The purchaser may, if required, see the demonstration of the equipment / Instrument installed in other scientific organizations located nearby Chennai to verify whether the bidder meets the accuracy criteria as indicated in the technical specifications. Bids which do not meet the criteria will be treated as technically non-responsive.

2. **COUNTRY OF ORIGIN**

(i) All goods required to be supplied under the contract shall be accompanied with the Country of Origin Certificate clearly mentioning details of Country/Region/ Union in compliance of the Government Policy/Rules.

(ii) For purpose of this Clause, "origin" means the place where the Goods are made, or produced, or from where the services are supplied. Goods are produced when through manufacturing, processing or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from the components.

(iii) The origin of Goods and Services is distinct from the nationality of the Supplier.

3. **FORMAT AND SIGNING OF BID**

(i) The bid shall be typed or written in English language only, in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the Contract. The letter of authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

(ii) The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the bidder, in which case such corrections shall initialed by the person or persons signing the bid.

4. **ADDITIONAL QUESTIONNAIRE FOR TENDER ENQUIRIES**

(a) Please state that you have submitted your quotation in two parts as indicated below:-

Part-I Technical bid consisting of technical details, bringing out clearly in a separate sheet, deviations, if any, in specifications from those indicated in APPENDIX-I of the Tender Document.

Part-II Price bid showing item wise price in a separate sealed cover inside the main cover.

(b) Please indicate complete break up of prices indicating clearly the net C.I.F. value, Customs Duty, Freight charges etc., in a separate sheet which should be signed by you.

(c) Please confirm that you will forward in advance two copies of each of installation, operation and maintenance instructions and diagrams in English, in case contract is awarded and order placed with you.

(d) Please indicate, in a separate sheet, duly signed by you, full information in respect of the output that you obtained from the machine you have offered; and also that you guarantee for the performance of the machine under the normal conditions and also that you will demonstrate guaranteed output after installation of the machine.

(e) Please attach lists duly signed by you, for such spare parts and tools as are absolutely essential for proper maintenance and operation of machine for a period of ten years (in the case of Electronic and Optical Spare Parts) and 5 years (in the case of Electronic and Mechanical Spare Parts) giving full particulars of the spare parts and tools with the price of each spare part and tool separately.

(f) Please confirm that you have adequate servicing and spare parts facilities in India in respect of the equipment/instrument tendered for by you or that you will arrange to provide such facilities simultaneously with the supply of the equipment/instrument.

(g) Please confirm that necessary maintenance of equipment/ instrument and spare parts will be made available for life of the machine on a continuous basis at a price not in excess of the net FOB/FAS price after allowing maximum discount and without taking into account any commission payable to the Indian Agents, if any, of the seller. If any such commission is payable, the same shall be indicated and it shall be payable only in Indian Currency.

(h) Please confirm that if you go out of production of spare parts, then you will give adequate advance notice to the purchaser so that the

latter may order his requirements of spares in one lot, if he so desires.

(i) Please confirm that if you go out of production of spare parts, then you will make available blue prints, drawings of the spare parts and specifications of materials at no cost to the purchaser, if and when required, in connection with the equipment/instrument, to enable the purchaser to fabricate or procure spare parts from other sources.

5. PACKING

The main Equipment / Instrument, in question, is required to be securely packed as per B.I.S. (ISI) standard trade practices to avoid damages to the consignment in transit. The packing charges should be included in the break-up details of cost.

6. INSURANCE

The consignment is required to be dispatched to the consignee, duly insured for transit insurance for all risks from the consigner" s Warehouse to the consignee's Warehouse upto COCHIN/GUWAHATY. The insurance charges should be included in the break up details of cost.

7. TRANSPORTATION CHARGES

The transportation charges should be pre-paid for delivery of consignment to the consignee on Door Delivery Basis and should be included in the break-up details of cost.

8. PAYMENT

(i) 100% payment will be made within forty five days from the date of acceptance of the main Equipment after joint (by supplier firm and representative of the Defence Estates Officer, Cochin/Guwahaty) technical inspection as per specifications and ensuring that the equipments supplied are in functional / working condition and after completion of training at 2 locations (**Pune and Kolkata**). No request for advance payment, payment against delivery or payment through Bank against dispatched documents will be considered.

(ii) Payments will be processed on submission of pre-receipted bills in triplicate in the name of "The DEO, Cochin,". All payments will be made subject to deduction of TDS (Tax Deduction at Source) as per Income Tax Act 1961 and other taxes, if any, as per Government of India rules.

9. ADDITIONAL QUESTIONNAIRE FOR IMPORTED STORES

i) Please indicate here the prices of the following:-

a) F.O.B.
b) F.A.S. Port of shipment of your Principals/Manufactures
c) C.I.F. Value (nearest Air Port)
d) F.O.R. station of dispatch (also indicate the Station of dispatch)
e) F.O.R. DESTINATION (i.e. Consignee" s site).

ii) for F.O.R. quotations, please indicate here separately:-

a) Net ex-Factory price

b) Net F.O.R./F.A.S. Quotations please indicate here separately:
   (i) Net ex-Factory price
   (ii) Net F.O.R./F.A.S. price exclusive of profit/ commission

iii) Please furnish commission payable to you /Indian Agents /Associates in Rupees. Also attach a copy of the agreement with your Principals/Manufacturers regarding quantum of commissions payable.

iv) Please indicate the following particulars:-

(a) The precise relationship between the foreign Manufacturer/Principals and their Indian Agents/Associates.

(b) The mutual interest which the Manufacturer/Principals and the Indian Agents/Associates have in the business of each other.

(c) Any payment which the Agents/Associates receives in India or abroad from Manufacturers/Principals whether as a commission for the contract or as a general retainer fee.

(d) Indian Agent's Permanent Income Tax Account Number.

v) Please furnish the following certificates on separate sheets, duly signed by you.

(a) Certify that net prices are exclusive of commission, profit etc. to be paid to your principals / Manufacturers in foreign currency and indicate separately the amount of remuneration / commission / profit which Indian Agents Associates are entitled in terms of their Agreement with the Foreign Principals.

(b) Produce your Principal's / Manufacturer's Performa invoice or certificate indicating remuneration / commission/discount etc. to be allowed in the particular transactions to their Indian Agents / Associates and the nature of the after- sales service to be rendered by Indian Agents / Associates.

10. COMPLETENESS/CORRECTNESS OF THE STORES

The contractor/supplier shall be responsible for the correct supply of the stores being ordered and shall replace the same free of cost if found not conforming to the required specifications or incomplete in any performance. The spares shall be guaranteed for interchangeability and performances. The changed parts if any, will be guaranteed for correctness and interchangeability.

11. DECREASE IN THE QUANTITY TO BE SUPPLIED

Normally no item or quantity will be cancelled or reduced within the delivery period. But the Indenter/Purchaser reserves the right to cancel any item or reduce any quantity from the purchase order if the stores are not supplied within the original delivery period.

12. FORCE MAJEURE

"Force Majeure" means an event beyond the control of the Supplier and not involving the supplier's fault or negligence and not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

13. TERMINATION FOR INSOLVENCY

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or effect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

14. APPLICABLE LAW

The Contract shall be interpreted in accordance with the laws of the Union of India.

15. ARBITRATION

All disputes or differences, including the claims for damages and compensation whatsoever, arising between the parties, out of or relating to the construction, meaning, operation or effect of this agreement or the breach thereof shall be settled amicably. However, if the parties are not able to resolve them amicably within a period of 15 (fifteen) days, the same shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. The dispute may be referred to arbitration by either party only after notice in writing to the other, clearly mentioning the nature of the dispute/differences. Such arbitration shall be conducted by a arbitral tribunal consisting of three arbitrators one arbitrator to be appointed by each party, and the third arbitrator to be nominated by Ministry of Law & Justice, Government of India. The Arbitration and Conciliation Act 1996 or any statutory modification thereof shall apply to the arbitration proceedings and the venue for the arbitration proceedings shall be Cochin/Guwahaty and courts at Cochin/Guwahaty shall have exclusive jurisdiction. All the arbitration proceedings shall be carried out in English language.

16. PATENT RIGHTS

3.1.The Supplier shall indemnify the Purchaser against all third party claims of infringement of patent, trademark, or industrial design right arising form use of the Goods or any part thereof.

APPENDIX - III

WARRANTY CERTIFICATE

We warrant that everything to be supplied by us hereunder shall be brand new, free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade & quality and consistent with the established and generally accepted standards for material of the type ordered, shall be in full conformity with the specifications and shall operate properly. We shall be fully responsible for its efficient operation.

In case of any latent defect or inconsistency due to poor manufacturing/repair & overhaul of the equipment/instrument, or defective supply not conforming to the specifications if observed at the time of final inspection and thereafter within 24 months from the date of acceptance, we undertake the guarantee to repair/supply free of cost the defective items upto the final destination and the inland expenses borne by the indenter, will be at our cost.

The warranty shall survive inspection and payment for and acceptance of the goods but shall expire (except in respect of complaints of which the contractor has been notified prior to such date) Twenty Four months after their successful acceptance by the purchaser.

SEAL of manufacturer/supplier Enterprises

Date……. Signature …….

Name & address of manufacturer/supplier

APPENDIX – IV

AGREEMENT

An agreement made this …….. day of ……. BETWEEN …… (hereinafter called the Supplier which expression shall include his legal representatives) of the one part and The DEO, Cochin/Guwahaty, on behalf of The President of India (hereinafter called the purchaser) of the other part and WHEREBY the supplier agrees to supply to the purchaser the under mentioned articles at cost mentioned against them:-

Name of Articles	Rate	Total Cost

And, on the terms and conditions hereinafter mentioned:-

a) That all stores shall be delivered at Office of DEO, Cochin/DEO, Guwahaty by supplier

b) That all stores supplied shall be new and of good quality and in exact accordance with the specifications.

c) That the joint inspection of the stores shall be carried out at the place mentioned in para (a) above and that the stores rejected must be removed by the supplier within a week from the date of rejection. All stores not accepted shall lie at the risk of the supplier. If not removed within the period specified above the purchaser shall have the right to dispose of such stores as he thinks fit at the risk of the supplier and on his account or if he prefers to charge him rent for the space occupied by same.

d) That the time of delivery stated above shall be the essence of the contract and should the supplier fail to deliver the whole/any part of the stores within the period specified in clause (a) and as per the specifications the purchaser shall have the right to forfeit the deposit mentioned in clause (f) and to purchase the stores elsewhere which the supplier has failed to deliver as aforesaid at

the expenses of the supplier and the supplier will be liable to pay such further sum as will be sufficient to meet the difference of cost between the rates tendered and those at which the purchases are actually made should they be higher. This is without prejudice to action being taken under clause (h) thereof.

e) That the purchaser shall have full power to reject the whole or any part of the stores which to the true intent and meaning is not in exact accordance with the approved sample and that his decision shall be final.

f) That the supplier **will furnish Security deposit @10%** of the value of the order/contract as security for compliance with the terms and condition of this contract.

g) That the supplier will be entirely responsible for the execution of this contract in all respect in accordance with the conditions of this contract and shall not assign or sub-let the same.

h) If the supplier becomes insolvent or he or his Agent offers any bribe in connection with the contract or the supplier fails to observe or perform any condition of this contract, then notwithstanding any previous waiver of such default or action being taken under any other clause hereof the purchaser may on behalf of the Government terminate the contract and forfeit the said deposit and recover from the supplier any loss suffered by the Government on account of the contract being terminated.

i) That the tender document (alongwith the annexures and appendices) dated __and offer/bid (s) submitted by the supplier shall form part and parcel of this agreement.

In Witness whereof the parties have hereunto set their hands the day and year first above written.

Signed by the said supplier ……

In the presence of:-

1st Witness
Address

2nd Witness
Address

Signed by the said purchaser for and on behalf of the
President of India
In the Presence of:-

1st Witness
Address

2nd Witness
Address

APPENDIX – V

BANK GUARANTEE BOND

In consideration of the DEO, Cochin/DEO,Guwahaty on behalf of The President of India (hereinafter called "the Purchaser") having agreed to exempt_____(hereinafter called "the said supplier(s)" from the demand, under the terms and conditions of an Agreement dated _____made between _____ and _____for supply of Total Stations equipment (hereinafter called "the said Agreement") of security deposit for the due fulfillment by the said supplier) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs. _____ (Rupees _____ only), We,(indicate the name of the bank) _____(hereinafter referred to as "the Bank") at the request of _____ supplier(s) do hereby undertake to pay to the Purchaser an amount not exceeding Rs. _____against any loss or damage caused to or suffered or would be caused to or suffered by the Purchaser by reason of any breach by the said supplier) of any of the terms or conditions contained in the said Agreement.

2. We (indicate the name of the Bank) _____ do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on a demand from the Purchaser stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Purchaser by reason of breach by the said supplier) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability, under this Guarantee shall be restricted to an amount not exceeding Rs. _____.

3. We undertake to pay to the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the supplier(s) in any suit or proceeding pending before any court or Tribunal relating thereto; our liability under this Guarantee being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment there under and the contractors) shall have no claim against us for making such payment.

4. We, (indicate the name of the Bank) _____further, agree that the Guarantee herein contained shall remain in full force and effect during

the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the purchaser under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____ office/ Department / Ministry of (The Purchaser) certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharge this Guarantee. Unless a demand or claim under this Guarantee is made on us in writing on or before the _____we shall be discharged from all liability under this Guarantee thereafter.

5. We, (indicate the name of the Bank) _____ further agree with the purchaser that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said supplier(s) from time to time or to postpone for anytime or from time to time any of the powers exercisable by the purchaser against the said supplier) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said supplier or for any forbearance, act or commission on the part of the Purchaser or any indulgency by the purchaser to the said supplier(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This Guarantee will not be discharged due to the change in the constitution of the Bank of the Supplier(s).

7. We, (indicate the name of the Bank) _____ lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Purchaser in writing.

Dated the ……. day of …….. for …… (indicate the name of the Bank)

Authorized Signatory

INSTRUMENT COMPARISON STATEMENT

(To be enclosed with Technical bid)

This information to be filled in as per the following format by all the bidders for each specification of the equipment to be supplied by them and duly signed and to be submitted alongwith the technical bid:

Make of Equipment …….
Model of Equipment…….
Place/Origin of Manufacturing…….

DGPS TECHNICAL SPECIFICATIONS

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	Description				
	I. Antenna and Receiver				
	a. Receiver and Antenna Type Dual Frequency, Geodetic, RTK				
	b. Minimum No. of Channels **72 Channel**s including L1-12 Channel, L2 -12 Channel , GLONASS Etc.,				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	c. Independent measurements C/A, P-code, Full cycle carrier, GLONASS				
	d. Time to first phase measurements after switching ON less than 30 Sec.				
	e. Status Indicators It should be indicate the satellite availability, Tracking, Position etc.				
	f. Ports 3 Serial ports, 1 USB, 1 External Antenna, USB or USB Adapter, 1 External Power				
	II. Controller - Display				
	(a) Type LCD 320 X 240 QVGA with backlite illumination or better				
	(b) Display Full Graphical with touch screen				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	(c) Keyboard Separate alphanumeric keys				
	(d) Graphical Display Should show Point, Line, Polygon in the field with Zoom, Pan option, Satellite Tracking.				
	III. Data Recording				
	(a) Recording rate (Positioning update rate) 0.5 to 60 Sec./ 20Hz **(b)Recording medium** a) Internal & External, b) Memory Min. 1 GB **IV. Power Supply (Battery)**				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	a. Battery Lithium ion Battery				
	b. Total number of Battery i) For Receiver – 4 Nos. ii) For Controller – 2 Nos.				
	c. Battery Operating time more than 8 hours				
	d. Charger i) External Charger . Integrated optional.				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	V. Accessories : For each GPS				
	1. Tripod - Wooden Telescopic 1 No.				
	2. Height measuring device 1 No.				
	3. Tribrach with Optical Plummet 1 No.				
	4. Carrier for Antenna 1 No.				
	5. a) Antenna cable – 10 mts 1 No.				
	b) Antenna Cable – 3 mts 2 No.				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	6. Battery Lithium Ion Battery **i) For Receiver** 4 Nos				
	b) For Controller 2 Nos. (1 + 1)				
	7. Charger External				
	8. External Power Cable 1 Set				
	9.External battery 1 No.				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)	
	10. Memory Card – 256 MB 2 Nos.					
	11. Card Reader 1 No.					
	12. RTK rover set up including pole Back pack kit Etc., 1 No.					
	13. Data downloading cable (USB/Serial) 1 No.					
	VI. Environment Specification for Receiver, Antenna & Controller					
	Operating temperature - 30°C to + 60°C **storage temperature** - 30°C to + 70°C					

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)
	VII. Accuracy (mm + ppm)				
	Post processing Horizontal : 3mm +/- 0.5 ppm Vertical : 6mm +/- 0.5 ppm				
	Real Time Horizontal : 5mm +/- 0.5 ppm				
	VIII. Radio modems with UHF antenna Integrated/Separate transmit power : 0.5 to 2 watts Receive/transmit radios Vertical :10mm +/- 0.5 ppm				
	IX. Application Survey, Stakeout, Navigational information, Point Management, COGO functions etc.				

	Name of the Equipment with Tender Specifications (1)	Compliance of parameter/ Specification (2)	Non-Compliance of parameter/ specification (3)	Remarks for Sr.No.(3) (4)	Specify the Page No. (5)	
	X. Software Major Components Providing data for planning GPS Survey 1. Post Processing (L1 / L2 data processing for GPS code & Phase) Glonass Code & Phase 2. Design and Network Adjustment 3. GIS / CAD Export Option 4. RINEX Import / Export 5.Transformation between 84 WGS to any spherical Coordinate system, Transformation between any projection. Incl. classical 3D option 6. View and Edit Option.					

The Information given above is factual & based on product specification details as per the latest catalogues/product data sheets and technical literature enclosed.

Signature of the bidder & seal

APPENDIX -VII

UNDERTAKING
(To be enclosed with Technical bid)

To:
(The Defence Estates Officer, Cochin)/(The Defence Estates Officer, Guwahaty)
…….
……..

Sir,

Having examined the terms and conditions, guidelines, annexure and appendices of the tender documents, the receipt of which is duly acknowledged, we, the undersigned, offer to supply and deliver one number DGPS each to DEO, Cochin and DEO, Guwahaty (Mentioned Description of Goods and Services) in conformity with said bidding documents.

We, undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified.

If our bid is accepted, we will submit performance security in a sum of equivalent to 10% of the of the value of the order/contract for the due performance of the contract.

We agree to abide by the validity of rates of the offer for 180 days.

We accept all your terms and conditions as stipulated in the tender document (including Annexures and Appendices) without deviations.

Dated this……. Day of…… 2012……

(Signature) (In the capacity of)

Duly authorised to sign undertaking for and on behalf of

_____
Signed

Seal / Stamp